SERVICE NOTES

First Edition

•SPECIFICATIONS

●Keyboard	61 Keys; $C_1 \sim C_6$
● Drawbars	Sine Wave
	16', 5-1/3', 8', 4', 2-2/3', 2'
	Bright Wave
	16', 5-1/3', 8', 4', 2-2/3', 2'
●Control Panel	
Tune	±50 cents

Vibrato, Slow/F Gate Output Jac	Headphone Jack (8Ω: Stereo) ast Select Footswitch Jack (DP-2) k (OFF: OV/ON: +15V) Output Level L/M/H (-24dBm/-12dBm/0dBm)
s	892(W)x106(H)x347(D)mm
sumption	
	Vibrato, Slow/F Gate Output Jac

Power switch SDG5P001-1 (13129101) 100V SDG5P001-2 (13129102) 117V SDG5P502 (13129103) 220/240V Button

N-506 (2247050600)

Panel removal screws Joint screw H5 3 x 30mm brown Musick rack holder H110(064H110)

> Pot. EVHCOAP15C14 10kC (13229128) Knob

N-128 (2246012800)

(pot, and button are separately available,

■Roland

Pot. EVHCOAP15B15 100kB(13229126)

Pot.

EVHCOAP15A14 10kA (13229130) Switch with LED

Panel

H84A (072H084A)

Complete assy w/pcb OPH134 (149H134)

see parts list)

Drawbar

KHC11901 (13129712) Tablet

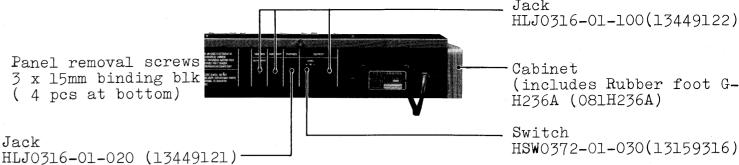
N-167(2247516700) wht N-168(2247516800) orn N-169(2247516900) yel N-180(2247518000) red

Keyboard SK-361A Keyboard removal screws 4 x 15mm truss black (7 pcs at bottom)

Keyswitch unit

1. Pull bus bar upward out of hooks

2. Remove three screws on the switch unit, it's ready to remove.



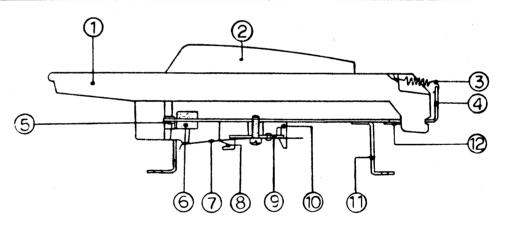
Cabinet

(includes Rubber foot G-5) H236A (081H236A)

Switch HSW0372-01-030(13159316)

KEYBOARD PARTS

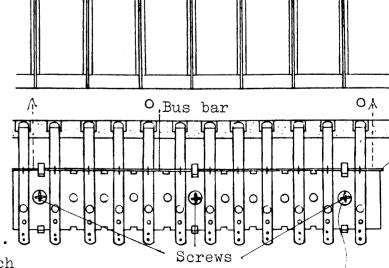
NO.	PART NO.	DESCRIPTION		NO.	PART NO.	DESCRIPTION	
1	106H026	Natural key	C, F	5	068H004	Guide bush	Н4
1	106Н027	Natural key	D	6	101H143	Level felt	H143
1	106H028	Natural key	Е, В	7.	071H044	Contact leaf	H44
1	106H029	Natural key	G	8	071H049	Bus bar 6lp	H49
1	106H030	Natural key	A	9	043H007	Switch unit 12p	Н7
1	106H031	Natural key	C; F'	9	043H008	Switch unit 13p	Н8
2	106Н032	Sharp key		10	104H029	Holder	H29
3	070H029	Key spring	H29	11	062H024	Chassis bracket	H24
4	061H086A	Chassis	Н86А	12	098H006	Key stopper	Н6



HOW TO REMOVE KEY and KEYSWITCH UNIT

Key

- 1. Remove key stopper (12).
- 2. Remove key spring (3).
- 3. Slide key leftwards and lift it out of chassis.
- 4. When inserting a new key, take care not to bend .contact leaf (7) with the key leg.





PARTS LIST

Roland has employed new part co	dings (8-10 digits).
Being in transition period, two	other codings are
still effective on this list.	

When ordering replacements, callout parts in full number followed by part name whichever coding they are designated by.

Keyboard SK-361A

CASE		-	
081H2 <u>3</u> 6A	Cabinet	H236A	
	Rubber foot	G-5	
072H084A	Panel	H84A	
064H110	Holder	H110	music rack
092H009	Music rack	Н09	

KNOB. BUTTON. TABLET

2247050600	Button	N-506	pTK	power	SW.
2247012800	Knob	N-128	pot.		,
22475167.00	Tablet	N-167		wht	
2247516800	Tablet	N-168		orn	
2247516900	Tablet	N-169		yel	
2247518000	Tablet	N-180		red	

SWITCH

17129101	SDG5PUUL-I	power	TOOA
13129102	SDG5P001-2	power	117V
13129103	SDG5P502	power	220/240V
13159316	HSW0372-01-03	30 slide	
13129712	KHCll90l w/l	LED	tablet

JACK

13449122	HT903T9-0T-T00		
13449121	HLJ0316-01-020	stereo	PHONES

15019245

1B4B41

COIL. TRANSFORMER

022H043J	PT-H43J	power		1007
022H043C	PT-H43C	power		117V
022H043D	PT-H43D	power	22	0/240V
022-135	Coil 40M-06	67-018	10uH	osc.

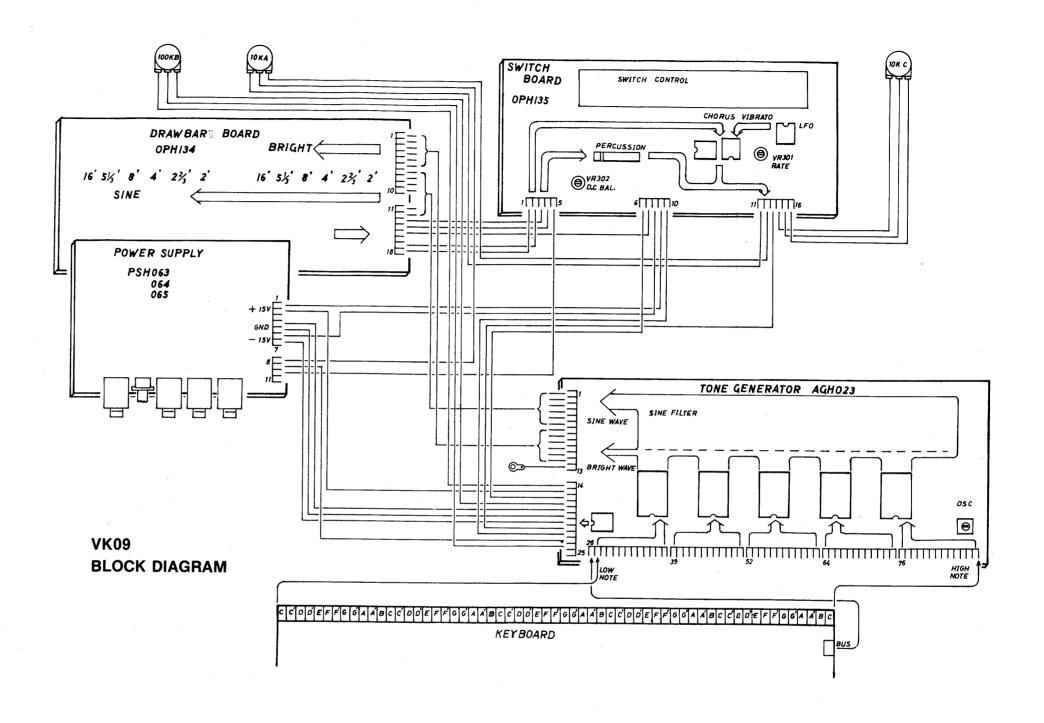
PCB ASSI	EMBLY	POTENTIC	DMETER	
144H023A	AGHO23A (pcb 052H322A) DRAWBAR GENERATOR	13229126	EVHCOAP15A14 10kA	
149H134A	OPH134A (pcb 052H323A) DRAWBAR	13229128	EVHCOAP15C14 10kC	
149H135B	OPH135B (pcb 052H324B) SWITCH	13229130	EVHCOAP15B15 100kB	
146H063B	PSH063B (pcb 052H325B) P.SUPPLY 100V	compatible	e with EVHCOAK15	
146H064B	PSH064B (pcb 052H325B) 117V			
146H065B	PSH065B (pcb 052H325B) 220/240V	Trimmer		
		13229113	H1051A011-(SR19R)	4.7KB
		13229114	H1051A013-(SR19R)	10KB
SEMICON	DUCTOR			
IC	DUCTOR			
15199504	TA7222AP amp	Drawbar	pot w/knob	
15179125	TA7222AP amp TMS3617NS chromatic div'r/keyer	003H001	Drawbar Hl	2'
15159124T0	TC4093BP quadruple 2-input NAND shimitt	003H002	Drawbar H2	2-2/3'
15159106T0	TC4016BP quad bilateral switch	003H003	Drawbar H3	4 '
15159104 T 0	TC4011BP(or HD14011BP) quad 2-in NAND gate	003H004	Drawbar H4	81
15159105T0	TC4013BP(or HD14013BP) dual D Flip-Flop	003H005	Drawbar H5	5 - 1/3 '
15199110T0	TA7179P regulator	003Н006	Drawbar H6	16'
15229802	BA662A (or B) vari-conductance amp			
15169504	MN3101 BBD driver		potentiometer only	
15219213	MN3009 BBD 256-stage	• • •	S401XKA03-2.7KC	
15189105	uPC4558C dual op amp		knob only	
			Knob #19 2-2/3'	
			Knob #21 5-2/3'	
Transistor		• • •	Knob #21 16'	
15119602	2SB647		Knob #20 8'	
15119112	2SA1015-Y or GR	• •	Knob #20 4'	
15129115	2SC1815-Y or GR	• • •	Knob #20 2'	
15139101	2SK3OATM-Y FET			
15119805	2SB834-0			
15129815	2SD880-0	•		
		FUSE		
Diode			MCDOOO1 14 moin	7.007
15019548	RD12EB or 05Z12U zener	12559133	MGP0001 1A prim.	100V
15019103	RD12EB or 05Z12U zener 1S2473 or M8555	12559311 12559511	MGP0001 1A csa prin	
1,01,110,	TRUTTO OI FIOLOS	エとノノブノエエ	CEE T500mA(s) prin	u. 220/240V

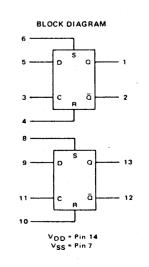
12559513

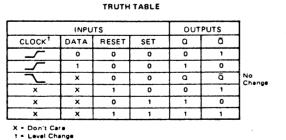
CEE TlA(s)

second 220/240V

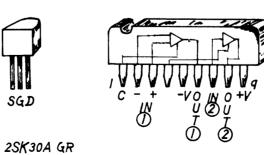
rectifer bridge 1.0A 100V



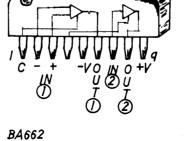


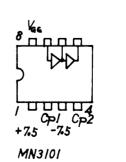


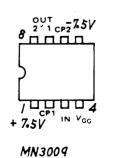


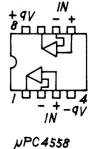


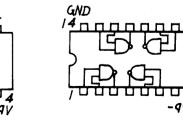
2SK30A Y





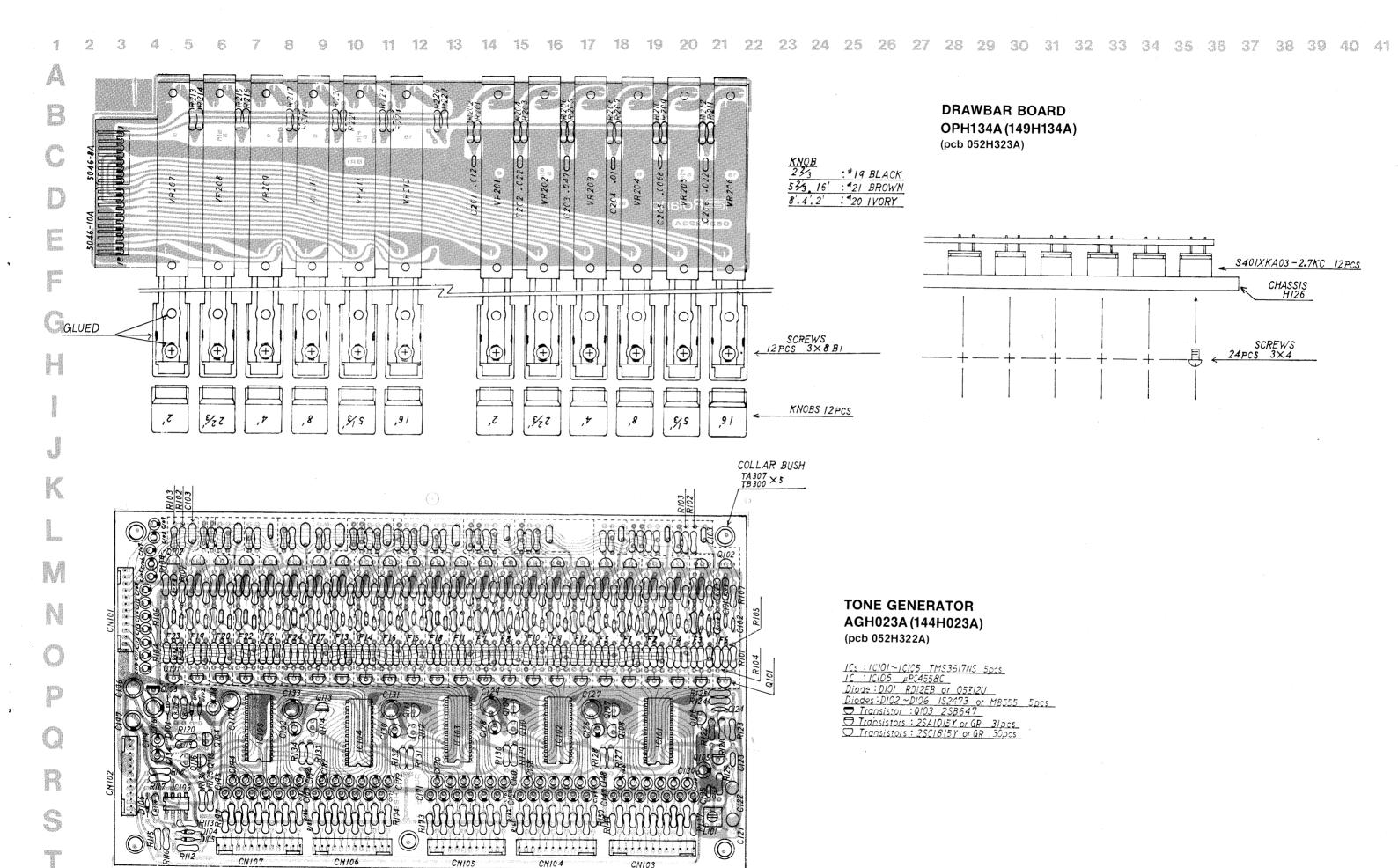


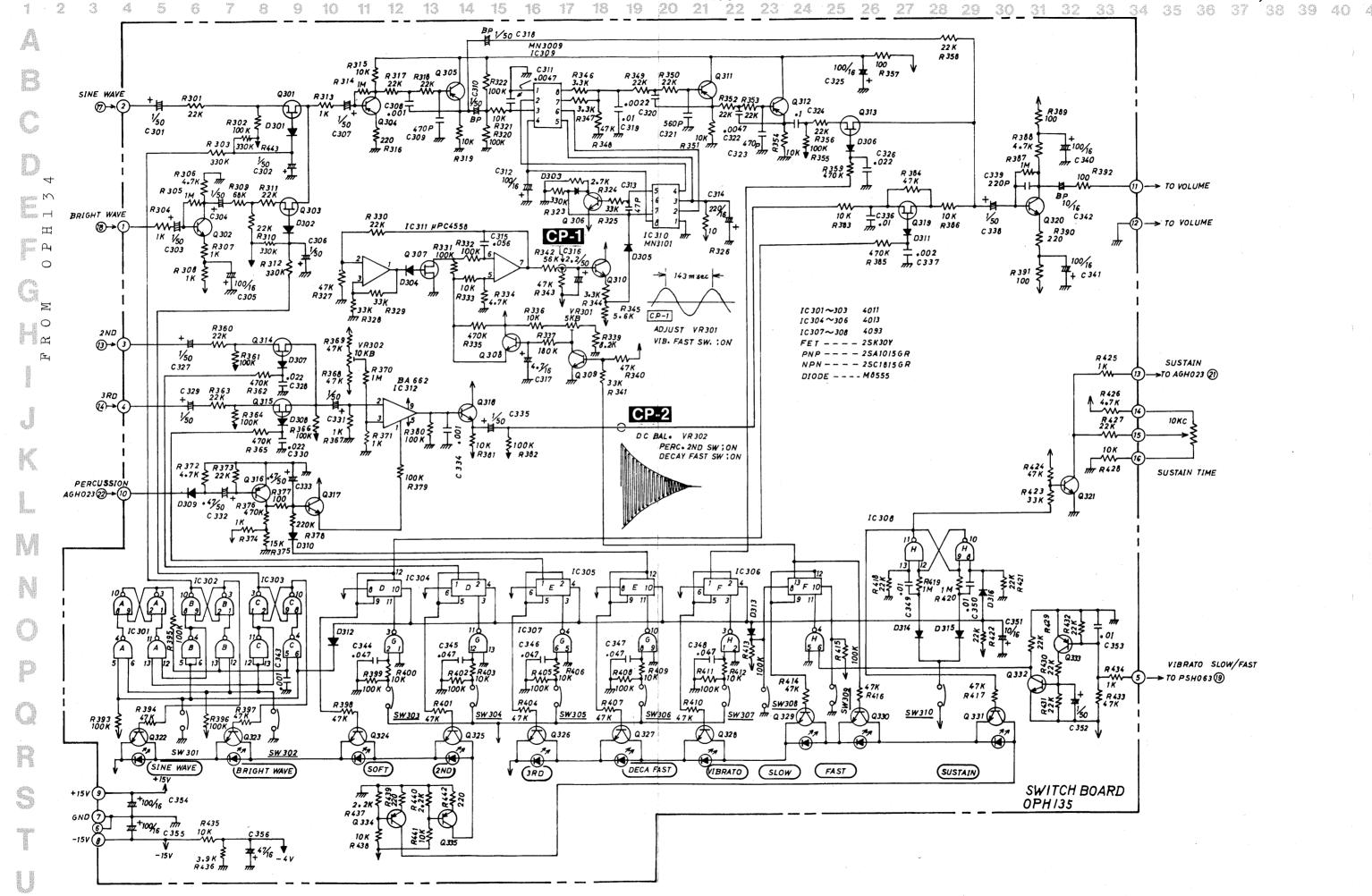




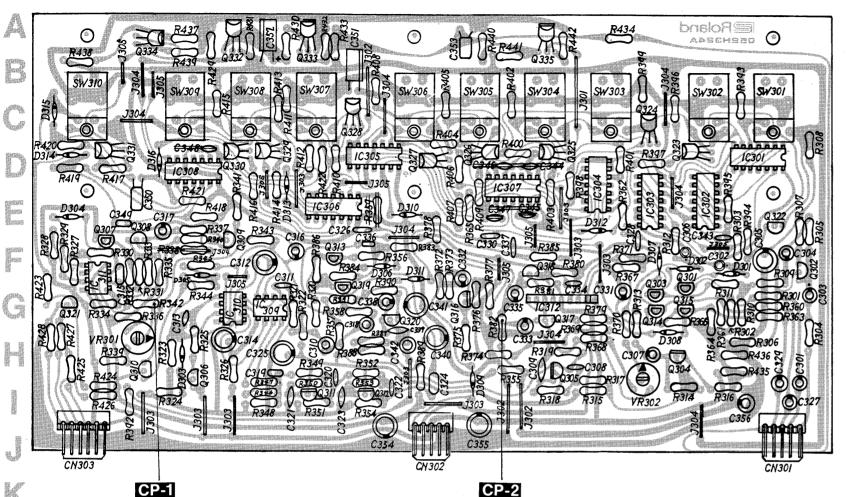
TC40IIBP

4





9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41



SWITCH BOARD OPH135A

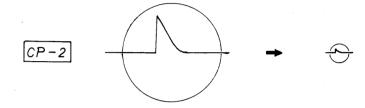
ADJUSTMENT

VIBRATO RATE

Switch VIBRATO "FAST" to ON. Set VR301 for the waveform

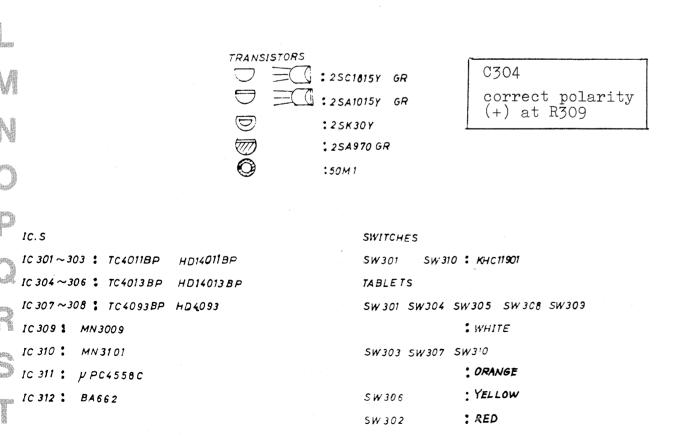
PERCUSSION DC BALANCE

Switch the PERCUSSIONs to OFF. Push the DRAWBARs to O (zero). Set VR302 for minimum key click.



OPH135B (149H135B) (pcb 052H324B)

below, with serial number 092300 Parts soldered at foil side of OPH135A are mounted on component side. (C344 - C348, R347, R348, R359)



IC 301 ~ 303 : TC4011BP

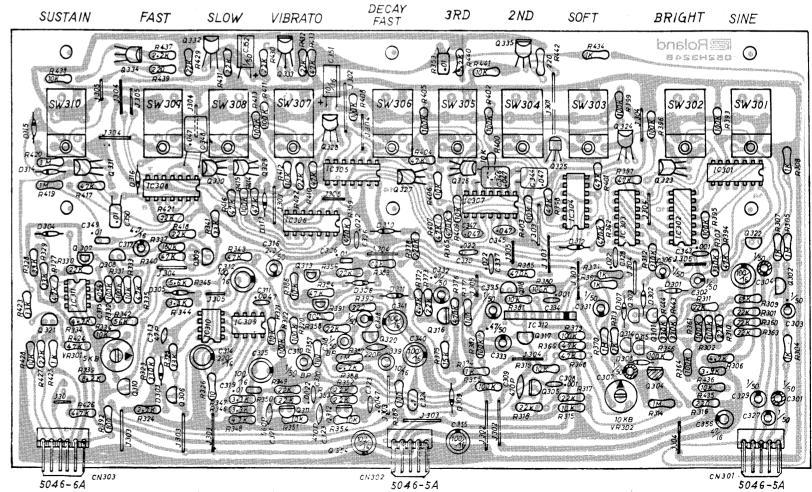
IC 309 1 MN 3009

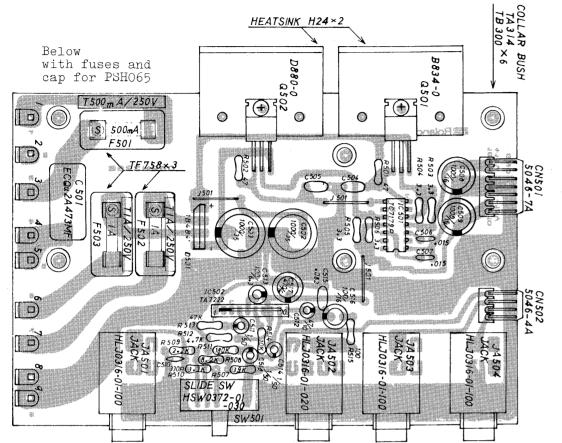
IC 310 : MN 31 01

IC 312 : BA662

IC 311 : PPC4558C

- 15 2473 M85 55





POWER SUPPLY PSH063B(146H063B) 100V PSH064B(146H064B) 117V PSH065B(146H065B) 220/240V (pcb 052H325B)

With Serial Number around 092300

Differs from A version only in that C518 is mounted on the component

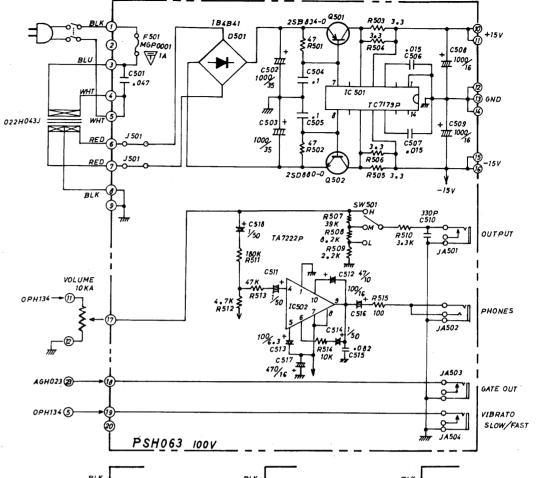
> Power transfomer secondary ratings 15VDC x 2 @300mA

Read TC7179P as TA7179P



NOTE: C518 leads are soldered on each side of the cut.

Conductive foil going to pin 1 of IC502 and R512 is cut. R512 reaches -15V

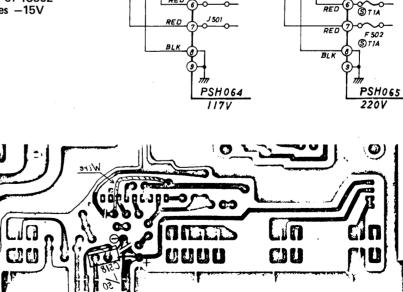


_____C501 ______0047 _____ECQU2A473MF

S TIA

PSH065

240V



022H043C

CSA 1A

022H043D

